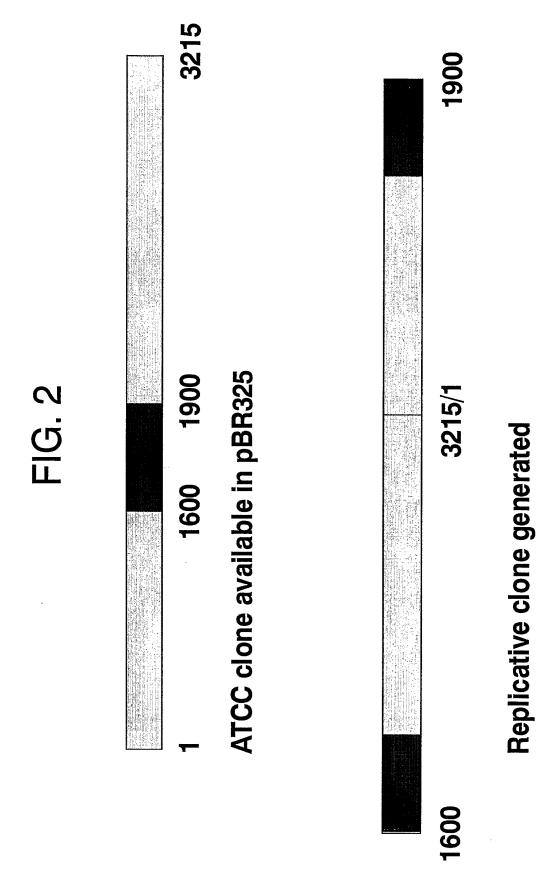
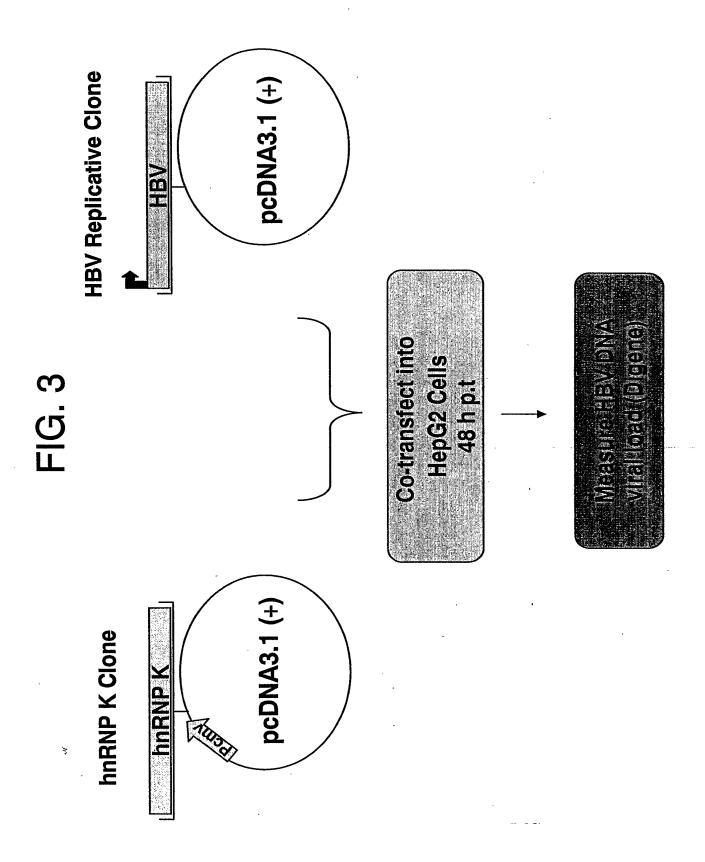


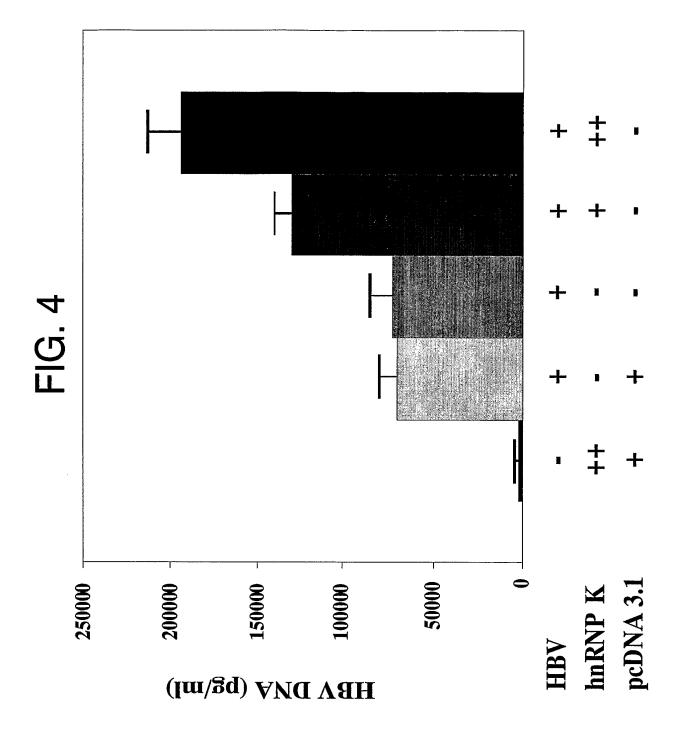
**SUBSTITUTE SHEET (RULE 26)** 



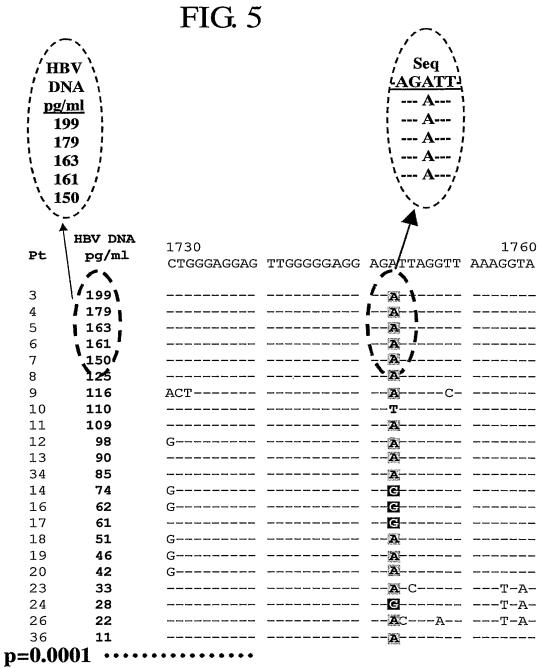
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continued

: Hi : Lo

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### FIG. 5

### - continuation -

•	HBV DNA				
Pt	pg/ml	1730			1760
0.0001		CTGGGAGGAG	TTGGGGGAGG	AGATTAGGTT	
p=0.0001	• • • • • • • •	• • • • • •			
40	5			<u>G</u>	
31	4			<b>A</b> A	T-A-
42	4	G	C	<b>E</b> C	
44	3	G		<b>A</b> -G	
32	3	G	T	<b>G</b>	
47	3			<b>A</b> c	T-A-
49	2			<b>A</b> AC	
50	2			<b>A</b>	
52	2			<b>G</b>	
53	2			<b>G</b>	
54	2	G		<b>G</b>	
56	2			<b>c</b>	
60	1			<b>A</b>	
61	1			<b>c</b>	
62	1			<b>G</b>	
33	1			G	
65	1			G	
67	0.8			<b>A</b>	
68	0.8			<b>T</b>	
69	0.6	G		<b>G</b>	
72	0.6			<b>A</b>	T
73	0.6		···	<b>c</b>	
74	0.5			<b>A</b>	
75	0.5	G		<b>C</b>	
76	0.5	G		G	
77	0.4			<u>e</u>	
78	0.4	GT-		<u>G</u>	T-A-
79	0.3			<b>G</b>	
80	0.2			G	
81	0.1			AC	
82	J. J.			-G)	
83	0.1	GA-GA		E-1	
84	0.1	//			<u> /  ̄                                  </u>
85	0.1	/ HBV \		I <del>G</del> /	\
86	0.1	/		<b>├</b> - <u>G</u>	Seq \ \ -
87	0.1	G DNA			<u>GATT'</u> -
		pg/ml			G
		0.1	) 		
		0.1	!	•	G !
		0.1		1 1	G ¦
<b>B</b> : <b>F</b>	li	, ,		Ĭ -	G /
E:L		\ 0.1 /		1-	G /
• 1.	<b>IU</b>	<b>\\ 0.1</b> /		``,	<b>,</b> , ,
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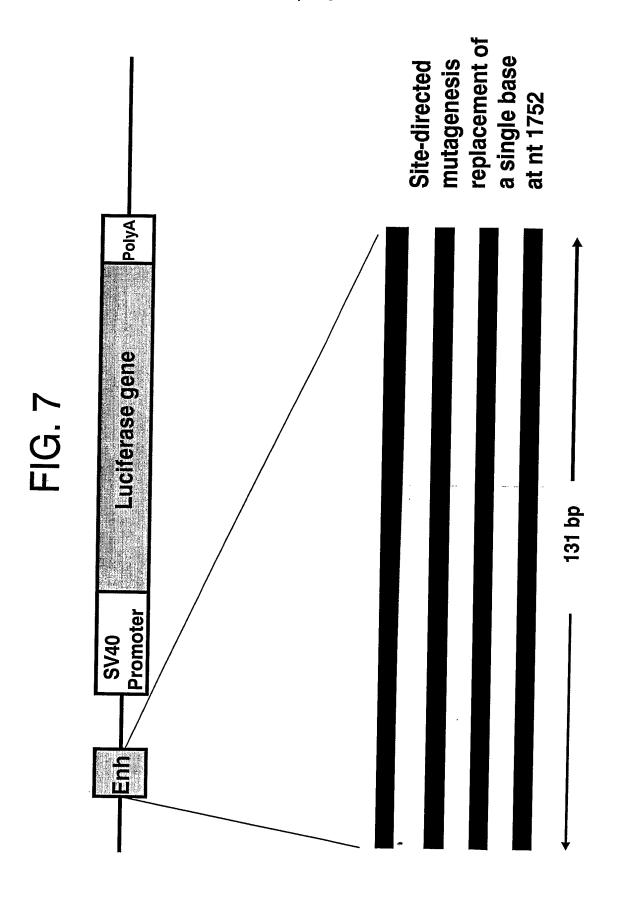
GAC CGACCTTGAG GCATACTTCA AAGACTGTTT GTTTAAAGAC TGGGAGGAGT

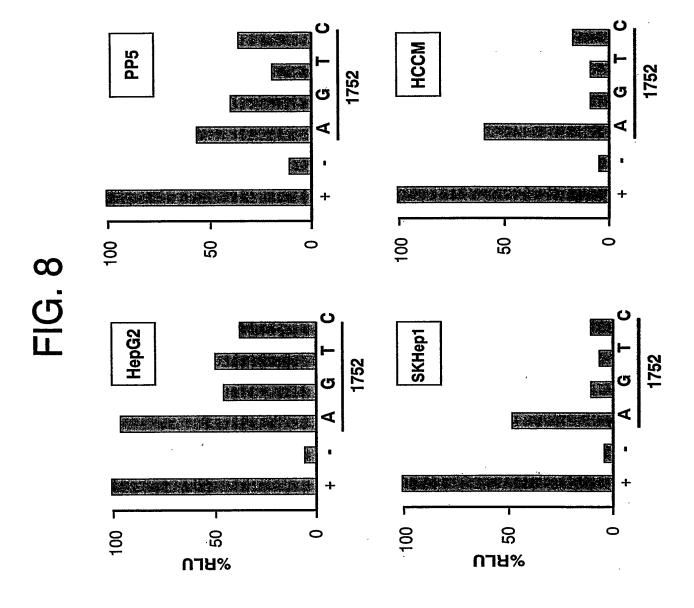
174

TGGGGGAGGA GATTAGGTTA AAGGTCTTTG TACTAGGAGG CTGTAGGCAT AAAITTGGTCT

1801

CTTC





# hnRNPK variant 2

388 176 198 4 99 132 154 agtggccccgagcgcatattgagtatcagtgctgatattgaaacaattggagaaattctgaagaaatcatcctaccttgf xggggcagtgattggaaaaggaggcaagaatattaaggctctccgtacagactacaatgccagtgtttcagtcccagacagc saacactataaaggaagtgactttgactgcgagttgaggctgttgattcatcagagtctagcaggaggaattattggggtc aaaggtgctaaaattaaagaacttcgagagaacactcaaaccacacatcaaggttttccaggaatgctgtcctcattccact gaagaggaacaagcatttaaaagatctagaaacactgatgagatggttgaattacgcattctgcttcagagcaagaatgct gacagagttgttcttattggaggaaaacccgatagggttgtagagtgcataaagatcatccttgatcttgtcttatatctgagtct ζΩ д ρц ט 闰 H O U П Ö U × н Ы ď ໝ × rd. 闰 ы Д O) ᆈ മ ρď Ø [x, Н Н Ы Н 冝 O k [2] ഥ 口 区 U Ħ Н 国 Н <del>|--|</del> ပ Н Ц 叫 Ы Z H H E-ı ы Ø E 闰 O) ഗ DC; Н 叫 П А Z z А ď ρι P Y D [2] ບ 吆 Ŋ K Α ρ¢ മ Н ᆈ Ö വ ᄄ 吆 Ö Ø 되 Ø Ö  $\Box$ Ö Н [z] ፲ ഗ Н Д ᆸ Ø ⋖ Ö c Н O œ П × ט Н [4] 闰 ⊱₁ 闰 ρı 二 Ö Ü 闰 2

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 $cggatcattaccattacaggaacacaggaccagatacagaat<math>gcacagtatttgctgcagaacagtgtgaagcagtat<math>oldsymbol{tct}$ 

# FIG. 9

hnRNPK variant 2 (continued)

286 308 330 352 374 264 220 242 tggagcccatcagaatggcagatggcttatgaaccacagggtggctccggatatgattattcctatgcagggggtcgtggc gatgaccgtcgcggacgcccagtgggatttcccatgcggggaagaggtggttttgacagaatgcctcctggtcggggtggg tcatatggtgatcttggtggacctattattactacacaagtaactattcccaaagatttggctggatctattttttgcaaa ggtggtcagcggattaaacaaatccgtcatgagtcgggagcttcgatcaaaattgatgagcctttagaaggatccgaagat ტ H Ö Ö വ്വ ഗ Ø щ Д Д Дι ഗ Ö × Z ₽ Ċ 吖  $\Omega_{i}$ Д 闰 വ്വ Д П × K П ρı 口  $\boldsymbol{\omega}$ ഥ U K ď þı Д 召 ט Н Д ഗ Н O ഗ 吆 ᠐ ტ Д ഥ Ŋ ď Д 吆 ď ტ വ ᠐ Z ഗ r O Ö O Д > O 民 Z Д Eı Ø 口 × Д  $\Xi$ 闰 Д ט M Д O Д Ħ Д ᆸ  $\triangleright$ ď Н 叫 × Z Ç Д × 吆 吆 斘 吆 Д Ø Ö Ü ø Ö ß Ö 跘 民 Ц D. 闰 Ŋ ტ Д ഗ 叫  $\boldsymbol{\sigma}$ 吆 ĸ Ö ෆ  $\mathcal{O}$ 吆 O

166 **7 L** 

ggaaagttti

cccatcaaaggacgtgcacagccttatgatcccaatttttacgatgaaacctatgattatggtggtttttacaatgatgtttt

### FIG. 9

# hnRNPK variant 3

198 110 132 154 176 88 99 22 44 yaagaggaacaagcatttaaaagatctagaaacactgatgagatggttgaattacgcattctgcttcagagcaagaatgct agtggccccgagcgcatattgagtatcagtgctgatattgaaacaattggagaaattctgaagaaatcatccctaccttg f x f x f x f z fatggaaactgaacagccagaagaaaccttccctaacactgaaaccaatggtgaatttggtaaacgccctgcagaagatatg ggggcagtgattggaaaaggaggcaagaatattaaggctctccgtacagactacaatgccagtgtttcagtcccagacagc saacactataaaggaagtgactttgactgcgagttgaggctgttgattcatcagagtctaggaggaggaattattggggtc aaaggtgctaaaattaaagaacttcgagagaacactcaaaccaccatcaagcttttccaggaatgctgtcctcattccact yacagagttgttcttattggaggaaaacccgatagggttgtagagtgcataaagatcatccttgatcttatatatctgagtct Ö 闰 |--| ρį ρι H 江 Ŋ H Н Ŋ ບ U H Н × Ü 民 4 П വ 闰 rd, Ö ρď Ŋ Д [2] H A O 뙤 × Н Z Ы Z ρ; H H H Н 闰 闰 ď p; × 口 A z 闰 Z А z H ď Дι ט M щ Ø 吆 2 ഥ Н А DZ; × വ × ⊱ H ſτι ひ Ü Ŋ æ 团 Д Ü 区 Н 댎 Ü 闰 ഗ K H 区 Н ď Н H Ö ტ œ O Н K > ᆸ 闰 闰 ĸĊ 团 βĄ 闰 口 K 2 至 至

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## FIG. 9

# hnRNPK variant 3 (continued)

286 308 220 242 264 330 cgtcccatgcctccatctagaagagattatgatgatatgagccctcgtcgaggaccacctcccctcctccggacgagg ggccggggtggtagcagagctcggaatcttcctcttcctccaccaccaccacctagaggggggagacctcatggcctatgac tggagcccatcagaatggcagatggcttatgaaccacagggtggctccggatatgattattcctatgcagggggtcgtggc tcatatggtgatcttggtggacctattattactacacaagtaactattcccaaagatttggctggatctattattggcaaa Ö gatgaccgtcgcggacgcccagtgggatttcccatgcggggaaggaggtggttttgacagaatgcctcctggtcgggggt H ש ď 吆  $\mathcal{O}$ ტ Z ď ტ Д 口 ď Ø ഗ Д Д × Д Д Д ഗ Z ტ Д  $\mathbf{z}$ H H H ტ Д 吆 Д A Д 跘 冝  $\Box$ × ρį Д ᠐ Ö ρι Д 跘 ø ന ഗ Д വ ט 召 Д ഥ ט  $\rho_{i}$ Д Ö ט ഗ ტ ርተ  $\Xi$ > Ø O) 吆 口 Z Z П Д Ö 闰 Д 니 Д z  $\mathcal{O}$ × ĸ Ø ט Ö ø 吆 Д 闰 Ŋ Ŋ ᠐ 吆 ഗു 跘 ტ Д Ö  $\mathcal{O}$ ≥ Ö 凶

gatgttgaaggattc

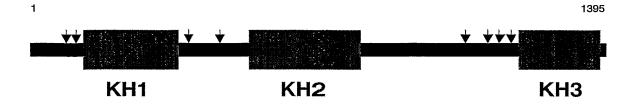
KH3

ggtggtcagcggattaaacaaatccgtcatgagtcgggagcttcgatcaaaattgatgagcctttagaaggatccgaagat

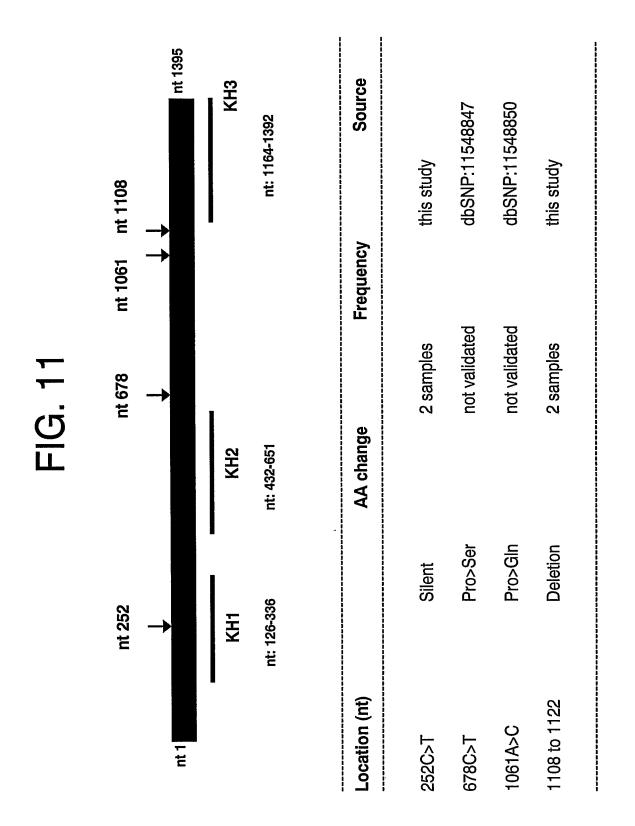
cggatcattaccattacaggaacacaggaccagatacagaatgcacagtatttgctgcagaacagtgtgtgaagcagtat**gca** 

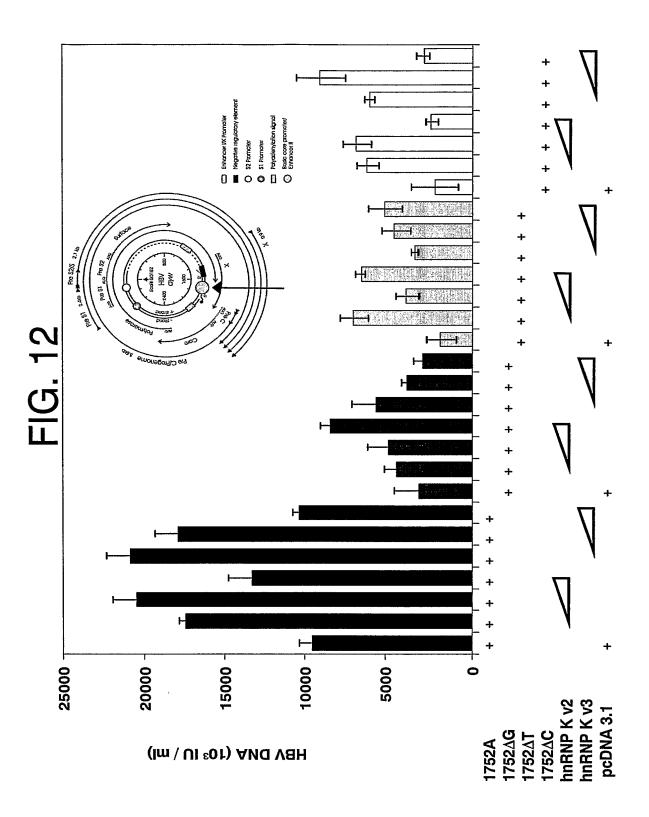
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### FIG. 10



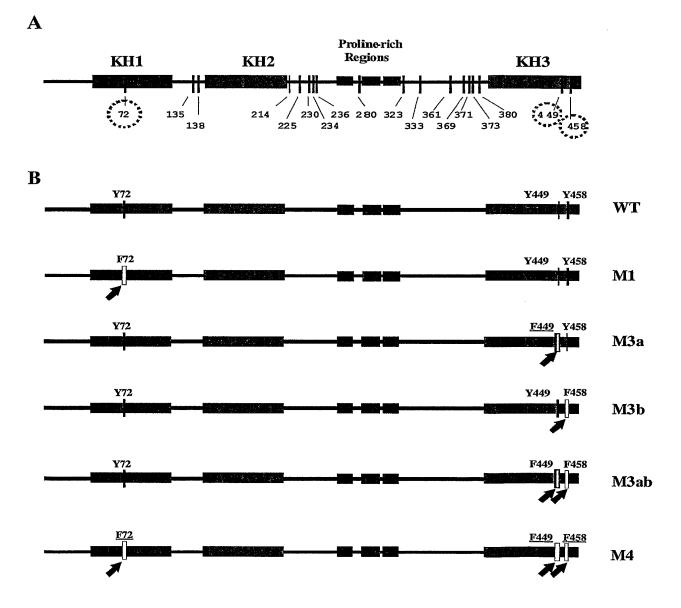
Subjects	Location	Mutation	Frequency	Variant
1	90A>G	Silent	1	V3
	112A>G	Asn > Asp	1	
	160G>A	Ala > Thr	1	
	215A>G	Tyr > Cys	1	
	1294G>A	Asp > Asn	1	
	1311T>C	Silent	1	
2	143T>C	Leu > Pro	1	V2
	392A>C	Asn > His	1	
3	667C>T	Missense	1	V3
4	734A>C	Asp > Ala	1	V3
8	278A>T	Asp > Val	1	V3
	469G>C	Gly > Arg	1	
	1252G>A	Gly > Arg	1	
9	252C>T	Silent	2	V3
	1242T>C	Silent	1	
10	252C>T	Silent	2	V3
•	324G>T	Leu > Phe	1	
	722T>C	Met > Thr	1	
11	664G>A	Ala > Thr	1	V3
	1108 to 1122	Deletion	2	
	1147C>G	Pro > Gly	1	
	1174G>A	Val > Ile	1	
12	1108 to 1122	Deletion	2	V2
	1216G>T	Gly > Cys	1	
13	685T>C	Phe > Leu	1	V2
	731A>T	Asp > Val	1	
•	756A>C	Silent	1	
	780T>C	Silent	1	
	1067A>T	Glu > Va	1	



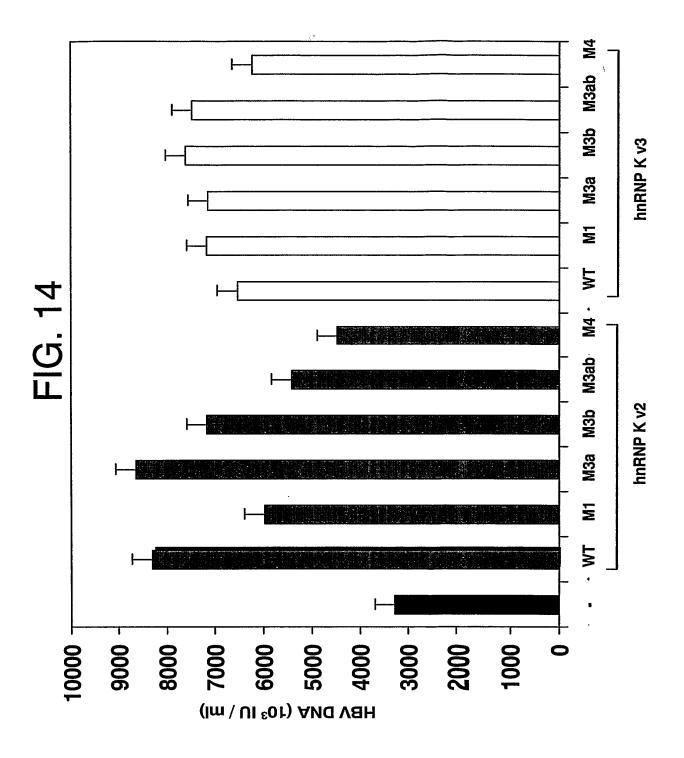


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FIG. 13

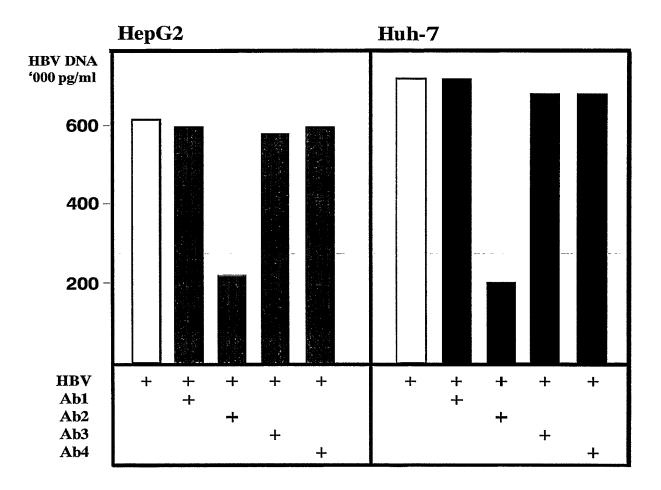






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FIG. 15



Target 2

Target

| Target 4

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Target 3 Source C Target 3 Source B Selection of RNAi target sequences ■Source A Target 2 KH2 Three sources: Target 1 KH1

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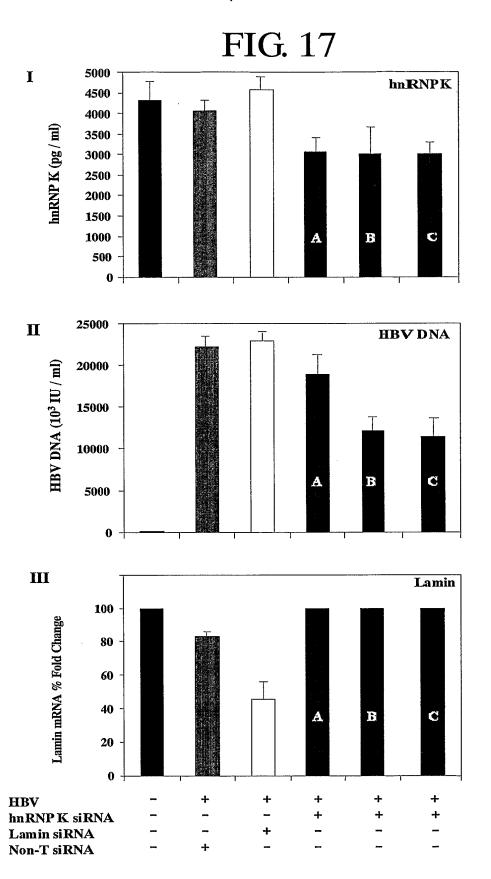


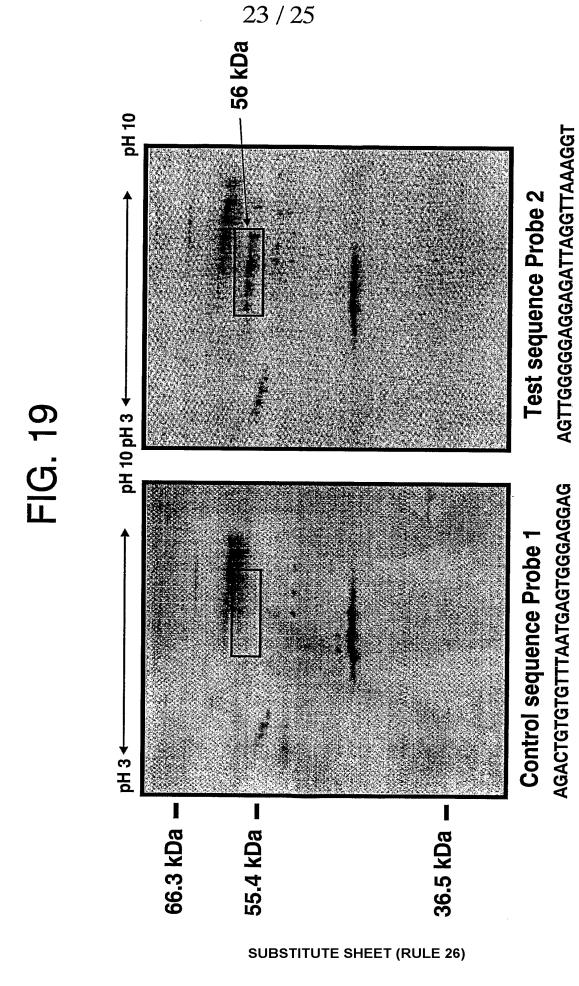
FIG. 18



10 11 12 13 14 15 16 တ  $\infty$ ဖ

- $oxedsymbol{0}$  agactgtgtgttaatgagtgggaggag $oxedsymbol{0}$  agttgggggaggaggttaaggttaaaggt (3) AGACTGTGTTTACTGCGTGGGAGGAG
  - 4 AGTTGGGGGAGGAGATTAGGTTAAAGGT

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Mass:	48708	Total score:	ore: 607	7		Peptides matched:	21
Query	Observed	Mr (expt)	Mr (Calc)		Score	Peptide	
ო	437.2488	872.4821	872.4967	22	16	DLAGSIIGK	
J.	499.2279	996.4402	996.4334	34	44	GGDLMAYDR	
œ	351.8774	1052.6088	1052,6088	88	33	VVLIGGKPDR	
O	549.7244	1097.43321097.4573	1097.45	173	27	GSDFDCELR	
10	553.7588	1105.50191105.5073	1105.50	173	55	NTDEMVELR	
11	385.1795	1152.51501152.5345	1152.53	345	39	GGDLMAYDRR	
12	390.5085	1168.5021	5021 168 . 5294		(19)	GGDIMAYDRR	
13	597.8453	1193.67491193.6920	1193.69	20	29	NLPLPPPPPR	
14	597.8495	1193,68331193,6920	31193.69		(18)	NLPLPPPPPR	
15	597,8527	1193.68981193.6920	31193.69		(24)	NLPLPPPPPR	
16	630.2869	1258.55821258.5677	1258.56	177	09	IDEPLEGSEDR	
17	670.8989	1339.78221339.7962	1339.79	62	88	IILDLISESPIK	
18	450.5459	1348.61421348.6405	1348.64	105	45	SRNTDEMVELR	
21	506.9706	1517.88841517.9293	11517.92	93	18	LLIHQSLAGGIIGVK	
22	511.9268	1532.7569.1532.7874	1532.78	374	22	IIPTLEEYQHYK	
24	517.2101	1548.60681548.6701	31548.67	701	16	LFQECCPHSTDR	
25	518,6332	1552.87611552.9188	1552.91	88	16	IILDLISESPIKGR	
27	579.2644	1734.76971734.7995	11734.79	95	15	RPAEDMEEEQAFKR	
28	594.2626	1779.76421779.7911	21779.79		(12)	TDYNASVSVPDSSGPER	
29	890.9033	1779.79101779.791	1779.79	디	62	TDYNASVSVPDSSGPER	
33	707.6703	2119.98742120.0134	12120.01	34	23	ALRIDYNASVSVPDSSG	

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IIIDLISESPIKGR AQPYDPNFYDETYDYGGFT<sub>240</sub> LFQECCPHSTDRVVLIGGKPDR VVECIK IILDLISESPIKGR AQPYDPNFYDETYDYGGFT240 RPAEDMEEEQAFKRSRNTDENVELR | ILLQSKNAGAVIGKGGKNIK | ALRTDYNASVSVPD<sub>80</sub> METEQPEETFPNTETNGEFGK RPAEDMEEEQAFKRSRNTDEMVELR ILLGSKNAGAVIGKGGKNIK ALRTDYNASVSVPD 80 PERILSISADIETIGEILKKIIPTLEEGLQLPSPTATSQLPLESDAVECLNYQHYK GSD FDCELRLLIHQSLAGGII<sub>160</sub> SSG |PERILSISADIETIGEILKKIIPTLEEGLQLPSPTATSQLPLESDAVECLNYQHYK | GSD FDCELRLLIHQSLAGGII<sub>160</sub> NLPLPPPPPRGGDLMA320 ydrr | grpgdrydgwygfsadetwdsaldtwspsewgwayepgggsgydysyaggrgsygdlggpiittgwtipkdlagsi. YDRR |GRPGDRYDGMVGFSADETWDSAIDTWSPSEWQMAYEPQGGSGYDYSYAGGRGSYGDLGGPIITTQVTIPKDLAGSI,00 MMEDDRRGREVGEPMRGRGGEDRMPPGRGGRPMPPSRRDDYDDMSPRRGPPPPPGRGGSRAR | NI.PI.PPPPPRGGDIMA<sub>320</sub> ALRIDYNASVSVPD GSDFDCELRLLIHQSLAGGII **NLPLPPPPPRGGDLMA** IIIDLISESPIKGR IITITGTQDQIQNAQYLLQNSVKQYADVEGF461 IDEPLEGSEDR ITTITGTQDQIQNAQYLLQNSVKQYSGKFF<sub>460</sub> meddrigrevgfemrgrggedrwppgrggrempesrddyddmsprrgeppppgrgsrar GAKIKELRENTOTTIK | LFQECCPHSTDRVVLIGGKPDR | VVECIK RPAEDMEEEQAFKRSRNTDEMVELR LEQECCPHSTDRVVLIGGKPDR IGKGGQRIKQIRHEGASIK IDEPLEGSEDR IDEPLEGSEDR METEQPEETFPNTETNGEFGK GAKIKELRENTQTTIK IGKGGQRIKQIRHEGASIK SSG GVK GVK GVK SSG HBV-binding protein HBV-binding protein HBV-binding protein HBV-binding protein HBV-binding protein HBV-binding protein ınRNPK variant 2 nnRNPK variant 3 hnRNPK variant 3 hnRNPK variant 3 anRNPK variant 2 hnRNPK variant 2 hnRNPK variant 2 hnRNPK variant 3 nnRNPK variant 2 nnRNPK variant 3 hnRNPK variant 3 hnRNPK variant 2